



**Supplementary Figure 7.** Neuron specific AAV5-hGBA overexpression in SNpc region. **a** Vector design of AAV5 hGBA. **b** Representative immunofluorescent images of GFP (green, injection marker), GFAP (red, astrocyte, non-neuronal marker), Tuj1 (Violet, neuronal marker), and DAPI (Blue).